SHARKOV, V.I.

Contribution of science to the technological progress of the
hydrolysis industry. Gidroliz. i lesokhim. prom. 14 no.6:10-13
'61.   (MIRA 14:9)

(Hydrolysis)

SHARKOV, V.I.; LEVANOVA, V.P.; ARTEM'YEVA, I.S.

Packing density of some natural holocellulose, Zhur.prikl.khim.
34 no.11:2508-2515 N '61.
(MIRA 15:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy
i sul'fitno-spirtovoy promyshlennosti.
(Holocellulose)

SHARKOV, V.I.; SAPOTNITSKIY, S.A.

Solve the problem in the best interests of the state. Bum.prom. 36
no.2:9 F '61.   (MIRA 14:2)

1. Direktor Nauchno-issledovatel'skogo instituta gidroliznoy i
sul'fitno-spirtovoy promyshlennosti (for Sharkov). 2. Zaveduyushchiy
laboratoriyey pereabotki sul'fitnykh shchelokov Nauchno-issledovatel'-
skogo instituta gidroliznoy i sul'fitno-spirtovoy promyshlennosti
(for Sapotnitskiy).
              (Woodpulp)   (Alcohol)

SHARKOV, V.I.; LEVANOVA, V.P.; BOLOTOVA, A.K.

Supermolecular structure of extrastrong cellulose hydrate
fibers. Khim.volok. no.5:32-36 '62.   (MIRA 15:11)
                    (Textile fibers, Synthetic)
                         (Cellulose)

SHARKOV, V.I.; KIYBINA, N.I.; SOLOV'YEVA, Yu.F.

Properties and isolation of glucomannan from wood
hemicellulose of fir (Picea excelsa). Zhur.prikl.khim.
35 no.5:1119-1128 My '62. (MIRA 15:5)
(Glucomannans)
(Fir)

TOKAREV, B.I.; SHARKOV, V.I.

      Determining oxymethylfurfurole in wood hydrolyzates. Gidroliz.i
      lesokhim.prom. 15 no.6:16 '62.   (MIRA 15:9)
              (Wood—Chemistry) (Furaldehyde)

SLAVYANSKIY, Aleksey Konstantinovich, prof.; SHARKOV, Vasiliy
Ivanovich, prof.; LIVEROVSKIY, Aleksey Alekseyevich, dots.;
BUYEVSKOY, Anatoliy Vasil'yevich, dots.; MEDNIKOV, Fedor
Alekseyevich, dots.; LYAMIN, Vladimir Aleksandrovich, dots.;
SOLODKIY, Fedor Timofeyevich, dots.; TSATSKA, Elio Mat'-
Iudovich, dots.; DMITRIYEVA, Ol'ga Andreyevna, assistent;
NIKANDOROV, Boris Fedorovich, inzh.; GORDON, L.V., kand.
tekhn. nauk, retsenzent; SUKHANOVSKIY, S.I., red.; KHOT'KOVA,
Ye.S., red.izd-va; SHIBKOVA, R.Ye., tekhn. red.

[Chemical technology of wood] Khimicheskaia tekhnologiia dre-
vesiny. Moskva, Goslesbumizdat, 1962. 574 p. (MIRA 16:4)
(Wood—Chemistry)

YEFIMOV, V.A.; MOLCHANOVA, M.N.; SHARKOV, V.I.

Treatment of sunflower seed shells in a continuous horizontal
pilot hydrolyzer. Sbor.trud. NIIGS 11:16-22 '63.   (MIRA 16:12)

KRUPNOVA, A.V.; SHARKOV, V.I.

Thermomechanical method for converting cellulose into a readily
hydrolyzable state. Gidroliz. i lesokhim.prom. 16 no.3:8-10
'63.   (MIRA 16:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy
i sul'fitnospirtovoy promyshlennosti.
                        (Cellulose) (Hydrolysis)

SHARKOV, V.I.; SHCHEGLOVA, T.A.

Obtaining cellulose preparations with different density of packing of the macromolecules. Zhur.prikl.khim. 36 no.6:1326-1330 Je '63.   (MIRA 16:8)

(Cellulose)

TOKAREV, B.I.; SHARKOV, V.I.

Behavior of hydroxymethylfurfurole during alcoholic fermentation
of hydrolyzates. Gidroliz. i lesokhim. prom. 16 no.2:4-5 '63.
(MIRA 16:6)
(Furaldehyde)   (Glucose)   (Fermentation)

SAPOTNITSKIY, S.A.; MYASNIKOVA, R.M.; SHARKOV, V.I.

Use of SO_2 for the inversion of oligosaccharides in the liquor
of bisulfite cooking of vegetable raw materials. Gidroliz. i
lesokhim.prom. 17 no.1:12-13 '64.   (MIRA 17:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy
i sul'fitno-spirtovoy promyshlennosti.

USMANOV, Kh.U.; MININA, V.S.; ZARIPOVA, A.M.; SHARKOV, K.I.,
doktor tekhn.nauk, prof., otv. red.; SOKOLOVA, A.A., red.

[Prospects of the chemical processing of cotton waste] Per-
spektivy khimicheskoi pererabotki otkhodov khlopkovodstva.
Tashkent, Izd-vo "Nauka" UzSSR, 1964. 125 p.
(MIRA 17:11)

KRUPNOVA, A.V.; SHARKOV, V.I.

Mechanical and thermochemical method of transforming cellulose-
containing materials to a readily hydrolyzable state. Gidroliz.
i lesokhim. prom. 17 no.3:3-5 '64.   (MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy
i sul'fitno-spirtovoy promyshlennosti.

DMITRIYEVA, O.A.; POTAPOVA, N.P.; SHARKOV, V.I.

Comparative study of the supermolecular structure of wood
cellulose by the methods of thermal and hydrolytic action.
Zhur. prikl. khim. 37 no.9:2083-2085 S '64.

(MIRA 17:10)

VYRODOVA, L.P.; SHAREEV, V.I.

Studying the dissolving process of cellulose and wood in concentrated
sulfuric acid. Sbor.trud.NIIGS 12:40-48 '64.

(MIRA 18:3)

BOLOTOVA, A.K.; SHARKOV, V.I.

Using the method of dielectric constant measurement in the study of the supramolecular structure of cellulose. Sbor.trud.NIIGS 12:49-59 '64.

Investigating the capillary structure of cellulose. Ibid.:60-70

Retarding effect of water in the hydrolysis reaction of cellulose. Ibid.:71-86   (MIRA 18:3)

DMITRIYEVA, O.A.; POTAPOVA, N.P.; SHARKOV, V.I.

Comparative study of cotton cellulose supermolecular structure by the methods of thermal and hydrolytic treatment. Zhur.prikl. khim. 37 no.7:1583-1589 Jl '64. (MIRA 18:4)

1. Leningradskaia lesotekhnicheskaya akademiya imeni Kirova i Gosudarstvennyy institut gidroliznoy promyshlennosti.

BARKOV, V.I.; AGIBINA, L.I.; ROGOVINA, Yu.F.

Study of the homogeneity of xylouronide by fractionation. Zhur. prikl. khim. 38 no.7:1595-1598 Jl '65. (MIRA 18:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitnospirtovoy promyshlennosti.

SHARKOV, V.M.

USSR/ Engineering - Industrial processes

Card   1/1   Pub. 103 - 5/19

Authors   : Sokolovskiy, M. V.; Gumennyy, V. N.; and Sharkov, V. M.

Title   : Thermal treatment of worm threads with high-frequency currents

Periodical : Stan. i instr. 2, 19 - 20, Feb 1955

Abstract   : The construction of a special machine for hardening of worm threads with
             high-frequency current was announced by the "Krasniy Metallist Metallurgical
             Plant." The technical and mechanical properties of the new machine are
             described. It was found that the changes in the worm dimension after
             thermal treatment with high-frequency currents are very insignificant and
             can be totally disregarded. The thermal treatment cycle of the new machine
             is 15 - 18 times smaller than otherwise and the mechanical properties of
             the treated part remain unchanged. Drawings.

Institution: .....

Submitted: .....

SHARKOV, V. M.

"The effective technique of prospecting useful minerals in less inves-
tigated regions"

report to be presented at the United Nations Conference on the
Application of Science and Technology for the Benefit of the Less
Developed Areas, Geneva, Switzerland, 4-20 Feb 63.

SHARKOV, V.N.

The AK-1T industrial power truck. Biul.tekh.-ekon. inform.
no.3:65-66 '61.   (MIRA 14:3)
                    (Industrial power trucks)

MUSEV, D. M.

"Experience of Utilizing aeromethods in Geological-Geomorphological Research in Conditions of the Golodnaya Steppe of Kazakhstan," Trudy Lab. Aeromethods. Vol. II, p. 23, 1950.

YAKOVLEV, S.A.; APUKHTIN, N.I.; BOCH, S.G.; VOZNESENSKIY, D.V.; GROMOV,
    V.I.; ZHUKOV, M.M.; KRASNOV, I.I.; LUNGERSGAUZEN, G.F.;
    PERKONS, V.A.; POKROVSKAYA, I.M.; RUDOVITS, Yu.L. [deceased];
    SEMENOVA, A.S.; SHARKOV, V.V.; EPSHTEYN, S.V.; YAKOVLEVA, S.V.;
    VERSTAK, G. V. redaktor; GUROV, O.A., tekhnicheskiy redaktor.

[Methodical aid for studying and geological surveying of
quarternary deposits; description of methods] Metodicheskoe
rukovodstvo po izucheniiu i geologicheskoi s"emke chetvertichnykh
otlozhenii; opisanie metodov. Sost.S.A.Iakovlev. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1955.
485 p. [Microfilm]   (MLRA 9:1)

1. Leningrad. Vsesoyuznyy geologicheskii institut.
    (Geological surveys) (Geology, Stratigraphic--Quaternary--
                                      Study and teaching)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12, p 40 (USSR)   15-1957-12-16943

AUTHOR: Sharkov, V. V.

TITLE: Use of Aerial Methods in the Studies of Quaternary Deposits (Primeneniye aerometodov pri issledovaniyakh chetvertichnykh otlozheniy)

PERIODICAL: V sb: Metod. rukovodstvo po izucheniyu i geol. s"yemke chetvertich. otlozheniy, Ch 2, Moscow, Gosgeoltekhizdat, 1955, pp 56-78

ABSTRACT: Bibliographical entry

Card 1/1

SHARKOV, V.V.

Example of using aerial photographs to show changes in the actual thickness of ocean rock bottom. Trudy Lab. aeromet. 4:138-140 '55. (Submarine geology) (Photography, Aerial)   (MLRA 9:2)

GUR'YEVA,Z.I.; SHARKOV,V.V.; SHUL'TS,S.S.

Results of geological mapping of shallow ocean bottom areas by
means of aerial photographs. Sov.geol. no.42:65-79 '55.

(MLRA 8:6)

(Photography, Aerial) (Geology--Maps)

SHARKOV, Vitaliy Vasil'yevich, redaktor; KUDRITSKIY, Dmitriy
  Mikhaylovich, redaktor; DOLMATOV, P.S., vedushchiy redaktor;
  GENNAD'YEVA, I.M., tekhnicheskiy redaktor

[Use of aerial methods for geological investigations of the
ocean bottom; a brief practical manual]Primenenie aerometodov
dlia geologicheskikh issledovanii morskogo dna; kratkoe
metodicheskoe rukovodstvo. Pod red. V.V. Sharkova i D.M.
Kudritskogo. Leningrad, Gos. nauchno-tekhn. izd-vo neftianoi i
gorno-toplivnoi lit-ry, Leningradskoe otd-nie, 1956.
254 p.
                                                    (MLRA 10:4)

1. Akademiya nauk SSSR. Laboratoriya aerometodov.
        (Aerial photogrammetry) (Ocean bottom)

SHARKOV, V.V., kand.geogr.nauk, otvetstvennyy red.; ARON, G.M.,red.izd-va;
BLEYKH, E.Yu., tekhn.red.

[Geological air survey of shallow parts of the Caspian Sea]
Aerogeologicheskaia s"emka melkovodnykh zon Kaspiiskogo moria.
Moskva, 1958. 139 p.   (MIRA 11:6)

1. Akademiya nauk SSSR. Laboratoriya aerometodov.
        (Caspian Sea--Aerial photogrammetry)

3(4)   PHASE I BOOK EXPLOITATION   SOV/1835

Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, t. 6 (Transactions of the Laboratory of Aerial Methods,
    USSR Academy of Sciences, Vol 6) Moscow, Izd-vo AN SSSR,
    1958. 280 p. Errata slip inserted. 1,500 copies printed.

Resp. Ed.: V.P. Miroshnichenko, Candidate of Geological and
    Mineralogical Sciences; Ed. of publishing House: D.N. Kudritskiy;
    Tech. Ed.: E.Yu. Bleykh.

PURPOSE: This volume is intended for geologists, photo interpreters,
    or other personnel engaged in the study of landscape formations,
    especially from the standpoint of aerial photography.

COVERAGE: This collection of studies and brief articles treats
    problems in aerial photography and photo interpretation in rela-
    tion to geological phenomena. The geographical area of study,
    with minor exceptions, is the Caspian plains and western shore.
    Most of the studies are well illustrated with aerial photographs.
    Aside from the numerous articles on geological phenomena of the
    Caspian basin, the following are also covered: portions of the
    Russian platform, the Muyunkumy sands of Central Kazakhstan,
    photo interpretation of clayey flats, desert vegetation and
    tree cover, the effective lens speed of photographic objectives,
    photogrammetric determination of profiles on hydro technical
    models, and others. No personalities are mentioned. References
    follow each main article.

TABLE OF CONTENTS:

GUR'YEVA, Z.I.; SHARKOV, V.V.

Geomorphological characteristics of the structure of the Caspian
western shore from the Kilyazi spit to the Samur estuary. Trudy Lab.
aeromet. 6:243-256 ' 58.   (MIRA 12:1)
                    (Caspian Sea--Shore lines)

SHARKOV, V.V.

Use of aerial methods in solving some problems in connection with
the lowering level of the Caspian Sea. Trudy Okean. kom. 5:202-
207 '59.   (MIRA 13:6)
    (Caspian Sea--Hydrographic surveying) (Aerial photogrammetry)

PHASE I BOOK EXPLOITATION   SOV/4315
                                   SOV/7-S-9
Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, tom 9 (Transactions of the Laboratory of Aerial Methods, USSR Academy
    of Sciences, vol. 9) Moscow, AN SSSR, 1960. 357 p. Errata slip inserted.
    1,700 copies printed.

Resp. Ed.: V.V. Sharkov, Candidate of Geography; Ed. of Publishing House:
    D.M. Kudritskiy; Tech. Ed.: M.Ye. Zendel'.

PURPOSE: This volume is intended for geographers, geologists, geodesists, and
    photogrammetrists.

COVERAGE: This collection of 23 articles contains studies of the earth's surface,
    structure, and geological formations by means of aerial photography. The
    authors discuss the principles, methods and techniques used in aerial surveying
    to determine such factors as the petrographic composition of the soil through
    the measurement of the spectral brightness of surfaces, the geological structure
    of underwater areas through recorded photographic images, the geological com-
    position and geomorphological structure of underlying layers through the analy-
    sis of surface plant coverings, the trends and characteristics of recent tec-
    tonic movements through the study of surface features traced photographically
Card 1/5

Transactions of the Laboratory (Cont.)   SOV/4315

over extensive regions, etc. The instruments used in this work (cameras, cinematographic spectrographs, stereographs, stereoprojectors, color and black and white film) are described and the analysis and interpretation of the data obtained discussed. References accompany individual articles.

TABLE OF CONTENTS:

Card 2/5

SHARKOV, V.V.

Aerial methods of studying outcrops of iron ore on the submarine slope of the Black Sea south of the Taman Peninsula. Trudy Lab. aeromet. 10:10-14 '60.
(MIRA 14:1)
(Black Sea—Iron ores)   (Aeronautics in geology)

SHARKOV, V.V.; GUR'YEVA, Z.I.

Some examples of the use of aerial photographs in detecting
anticlinal structures. Trudy Lab. aeromet. 10:15-23 '60.

(MIRA 14:1)

(Aeronautics in geology)   (Photography, Aerial)

SHARKOV, V.V.; GUR'YEVA, Z.I.; KOSHECHKIN, B.I.

Some features of the geological structure of the submarine slope
of the taman Peninsula in the Sea of Azov (according to the
materials of aerogeslogical research). Trudy Lab. aeromet.
10:24-34 '60.   (MIRA 14:1)
           (Azov, Sea of—Submarine geology)

SHARKOV, V. V., Doc Geol and Mineral Sci, "Geological
structure and history of the development of the relief
of the continental slope of the West coast of the Caspian
Sea, from the city of Makhachkala to the estuary of the
Kura River (on the basis of an aerial photographic survey).
Leningrad, 1961. (All-Union Sci Res Geol Inst "VSEGYEI").
(KL-DV, 11-61, 212).

-61-

SHARKOV, V.V.; GUR'YEVA, Z.I.

Geomorphology of the continental slope of the Taman' Peninsula.
Uch.zap.LGU no.298:155-170 '61.   (MIRA 15:2)
        (Taman' Peninsula--Slopes (Physical geography))

S/035/62/000/011/058/079
A001/A101

AUTHORS: Sharkov, V. V., Gur'yeva, Z. I.

TITLE: An experience in studying the landscapes of shallow sea floor sec-
               tions in the western coast of the Caspian Sea and Caucasian-Taman'
               coast of the Black Sea

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 19,
               abstract 11G144 (In collection: "Primeneniye aerometodov v land-
               shaftn. issled.", Moscow - Leningrad., AN SSSR, 1961, 255 - 277)

TEXT: Aerial photosurvey of sea floor was experimentally performed with
A A (AFA) middle-focus cameras on films of types. PΦ-1 (RF-1) and RF-3, pan-
chromatic film of type 10-600, multi-layer colored one, etc. Best results were
obtained in photographing with yellow light filter on the film RF-1 and RF-3.
The following scales were used: 1 : 25,000; 1 : 10,000 and 1 : 5,000 (on small
areas 1 : 3,000 and 1 : 2,000). It was found that in surveys on scales finer
than 1 : 10,000 the sea floor is difficult to decipher, as many objects are not
reproduced on photographs. Field deciphering was made by running routes on dry

Card 1/2

An experience in studying the...

S/035/62/000/011/058/079
A001/A101

land along the shore and series of tacks into the sea in a cutter and boat. The sea floor was studied by means of lifting samples with devices, and in main sections scientific workers carried out diving immersions. The floor relief was studied by means of a РЭЛ -1 М (REL-1M) sounding device. The authors consider briefly the signs for deciphering objects of sea floor, established as a result of experimental work, which enable one to identify on aerial photographs outcrops of various primary rocks to the sea floor and recent deposits, to determine their composition and relative geologic age, and sometimes to determine even the character of rock occurrence, individual elements of faults, breaks, and to detect the existence of different genetic relief forms, vegetation, etc. There are 16 references.

R. Vol'pe

[Abstracter's note: Complete translation]

Card 2/2

SHARKOV, Vitaliy Vasil'yevich; MOROZOV, A.I., otv. red.

[Geology of the underground slope of the western coast
of the Caspian Sea (from the city of Makhachkala to the
Kura estuary)] Geologiia podvodnogo sklona zapadnogo be-
rega Kaspiiskogo moria (ot g.Makhachkala do ust'ia
r. Kury). Moskva, Izd-vo "Nauka," 1964. 429 p.
                                        (MIRA 17:6)

SHARKOV, Ye.

Members of the scientific technological society aid a collective
farm. Mashinostroitel' no.11:47 N '61.   (MIRA 14:11)
                  (Kalinin Province--Collective farms)

SHARKOV, Ye.V.

Evolution of rock-forming minerals in the process of creating
the Zlatogorsk differentiated pluton (northern Kazakhstan).
Vest. LGU 20 no.24:37-41 '65.   (MIRA 19:1)

1. Submitted May 15, 1965.

SHARKOV, Yu.

Nature of land income in the agricultural cooperatives of socialist countries. Vop. ekon. no.1:151-154 Ja '64.
(MIRA 17:3)

SHARKOV, Yu.V.; GLIKO, O.A.

Geochemical methods of prospecting for ore deposits in foreign
countries. Razved. i okh.nedr 22 no.3:55-62 Mr '56.(MIRA 9:7)
(Geochemical prospecting)

SHARKOV, Yu.V.

Peculiarities of conducting trace-metal prospecting under varying
natural conditions. Razved.i okh.nedr. 22 no.8:15-22 Ag '56.
(MLRA 9:11)

1. Tekhupravleniye Ministerstva geologii i okhrany nedr SSSR.
    (Geochemical prospecting) (Ore deposits)

KRASNIKOV, V.I., glavnyy red.; BRODSKIY, A.A., red.; PEREL'MAN, A.I., red.;
SAUKOV, A.A., red.; SAFRONOV, N.I., red.; SERGEYEV, Ye.A., red.;
KHITAROV, N.I., red.; SHARKOV, Yu.V., red. SHCHERBINA, V.V., red.;
GUROVA, O.A., tekhn.red.

[Geokhimicheskie poiski rudnykh mestorozhdenii v SSSR; trudy sove-
shchaniia. Pod red. V.I.Krasnkova. Moskva, Gos.nauchno-tekhn.izd-
vo lit-ry po geol. i okhrane nedr, 1957. 466 p.   (MIRA 11:3)

1. Vsesoyuznoye soveshchaniye po geokhimicheskim metodam poiskov
rudnykh mestorozhdeniy. 1st, Moscow, 1956.
        (Geochemical prospecting)

SOV/26-59-12-3/45

AUTHOR: Sharkov, Yu. V., Candidate of Geological and Mineral-
          ogical Sciences (Moscow)

TITLE: Searching for Deposits of Atomic Raw Material

PERIODICAL: Priroda, 1959, Nr 12, pp 13-21 (USSR)

ABSTRACT: The author states that the splitting of the atom has
          created a great demand for uranium. Most uranium depo-
          sits presently being worked are those which were easiest
          to find. As they become exhausted, the problem is to find
          others. The article is an account of methods of prospec-
          ting employed in the USSR. To enable large areas to be
          surveyed easily and quickly, radiometers and counters
          have been developed. The instruments and methods used
          for prospecting from aircraft are described. The author
          says that aircraft have been used for this purpose in
          the USSR since 1947. Light MI-1 and KA-15 helicopters,
          carrying a 45-kg scintillometer, are used. Practice

Card 1/3

          -- certain natural conditions -- the diffi-

SOV/26-59-12-3/45

Searching for Deposits of Atomic Raw Material

is described. There are 3 photographs, 2 diagrams, and 1 chart.

Card 3/3

KRASNIKOV, V.I.; SHARKOV, Yu.V.

Spatial and genetic relation between exogenetic and sedimentary-
metamorphogenetic uranium deposits and arid zones of the
corresponding geologic epochs. Dokl. AN SSSR. 144 no.6:
1359-1362 Je '62.   (MIRA 15:6)

1. Predstavleno akad. D.I.Shcherbakovym.
              (Uranium ores)

SHARKOV, Yu. V.

"Methodological instructions for carrying out geochemical
prospecting for pyritic copper deposits in the Southern Urals
based on the secondary halos of dispersion" by M. A. Glazovskaia.
Reviewed by IU. V. Sharkov. Vop. geog. no.59:178-179 '62.
(MIRA 16:1)

(Ural Mountains—Geochemical prospecting)
(Ural Mountains—Chalcopyrite)
(Glazovskaia, M. A.)

SAUKOV, A.A.; GINZBURG, I.I.; PEREL'MAN, A.I.; AYDIN'YAN, N.Kh.;
SHARKOV, Yu.V.

Vladimir Ivanovich Krasnikov; obituary. Geol. rud. mestorozh.
5 no.2:141-142 Mr-Ap '63.   (MIRA 16:6)

(Krasnikov, Vladimir Ivanovich, 1907-1962)

KRASNIKOV, Vladimir Ivanovich (1906-1962), prof., doktor geol.-
miner. nauk; DYUKOV, A.I., otv. red.; KAZHDAN, A.B., otv.
red.; PEREL'MAN, A.I., red.; ZHIRKOV, Yu.V., red.

[Fundamentals of an efficient method of prospecting for
ore deposits] Osnovy ratsional'noi metodiki poiskov rud-
nykh mestorozhdenii. 2. izd. Moskva, Nedra, 1965. 398 p.
(MIRA 18:12)

SHARKOVA, A. S.

DECEASE

1964

MICROBIOLOGY

c/1963

SHARKOVA, K.D.

Result of joint work of parasitological departments and prophy-
lactic disinfection departments in Stalingrad. Med.paraz. i
paraz.bol. 27 no.6:728-729 N-D '58.   (MIRA 12:2)
        (PARASITIC DISEASES, prev. & control,
            cooperation of parasitol. & disinfection
            departments (Rus))
        (ANTISEPSIS AND ASEPSIS,
            same)

KUCHEROVA, N.F.; ZHUKOVA, I.G.; KAMZOLOVA; N.N.; PETRUCHENKO, M.I.;
SHARKOVA, N.M.; KOCHETKOV, N.K.

Indole derivatives. Part 8:9-Acyl-1,2,3,4, 4a, 9a-hexahydro-8-carbolines. Zhur.ob.khim. 31 no.3:930-936 Mr '61, (MIRA 14:3)

1. Nauchno-issledovatel'skiy institut farmakologii i khimioterapii.
(Pyridindole)

SHARKOVA, N.M.; KUCHEROVA, N.F.; ZAGOREVSKIY, V.A.

Derivatives of indole. Part 9: Synthesis of derivatives
of pyrano (4,3-b)-3,4-dihydroindoles and chromeno (4,3-b)indoles.
Zhur.ob.khim. 32 no.11:3640-3645 N '62.   (MIRA 15:11)

1. Institut farmakologii i khimioterapii AMN SSSR.
          (Pyranoindole)   (Benzopyranoindole)

SHARKOVA, N.M.; KUCHEROVA, N.F.; ZAGOREVSKIY, V.A.

Derivatives of indole. Part 15: Syntheses of some condensed
indoline systems.   Zhur. ob. khim. 34   no. 5:1614-1618
My '64.   (MIRA 17:7)

1. Institut farmakologii i khimioterapii AMN SSSR.

AUTHOR: Sharkova, N.V.   SOV/140-58-3-33/34

TITLE: The Application of the Method of Oscillating Functions for
            the Approximative Solution of Initial and Boundary Value
            Problems for Non-Linear Differential Equations of Second
            Order (Primeneniye metoda ostsilliruyushchikh funktsiy k pri-
            blizhennomu resheniyu nachal'nykh i krayevykh zadach dlya ne-
            lineynykh differentsial'nykh uravneniy vtorogo poryadka)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1958,
            Nr 3, pp 251-255 (USSR)

ABSTRACT: The method proposed by Mel'nikov ⌊Ref 1-3⌋ for the approxi-
            mative solution of differential equations of first order is
            extented to the solution of $y'' = f(x,y,y')$.
            The solution of the initial value problem $y(0) = a$, $y'(0) = b$
            is sought in the form

            $$y_N(x) = \frac{a_k}{2}(x-x_k)^2 + b_k(x-x_k) + c_k \ , \quad x_k \leqslant x \leqslant x_{k+1} \ ,$$

            whereby the initial conditions, the continuity of the solution
            etc. are used for the determination of the coefficients. The
            substitution of the obtained approximation into (1) then leads
Card 1/2   to oscillating functions which can be estimated more or less

The Application of the Method of Oscillating   SOV,140 -58-3-33/34
Functions for the Approximative Solution of Initial and Boundary Value
Problems for Non-Linear Differential Equations of Second Order

roughly.
The boundary value problem $y(0)= y(1)= 0$ is solved by en-
closing the solution between the solutions of two initial
value problems $\left[y(0)= 0, \quad y'(0)= b_1 \quad \text{and} \quad y(0)= 0, \ y'(0)= b_2 \right]$

whereby the b_1 and b_2 depend on the errors of the approxi-

mative solution of the initial value problems.
There are 4 references, 3 of which are Soviet, and 1 German.

ASSOCIATION: Permskiy gosudarstvennyy universitet imeni A.M.Gor'kogo
    (Perm State University imeni A.M.Gor'kiy)

SUBMITTED: December 20, 1957

Card 2/2

/(, 3400

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S/044/61/000/010/038/051
C111/C222

AUTHOR: Sharkova, N.V.

TITLE: The application of the method of oscillating functions for
             the approximate solution of boundary value problems for
             differential equations of second order

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 36-37,
             abstract 10 V 222. ("Uch. zap. Permsk. un-t", 1959, '3.
                                    no. 2, 41-61)

TEXT: The method of oscillating functions developed in the papers of
S.I. Mel'nik (R Zh Mat, 1954. 5256 ; 1957, 5942, 5943) is used for the
approximate solution of the linear differential equation of second order

$$y'' = p(x)y' + q(x)y + r(x)$$

with the boundary conditions

$$R_1[y] \equiv \alpha_1 y(0) + \alpha_1' y'(0) + \beta_1 y(1) + \beta_1' y'(1) = 0 ,$$

$$R_2[y] \equiv \alpha_2 y(0) + \alpha_2' y'(0) + \beta_2 y(1) + \beta_2' y'(1) = 0 .$$

Card 1/2,

The application of the method of ...

where $p(x)$, $q(x)$ and $r(x)$ are functions differentiable on $[0,1]$, and the rank of the matrix

$$\begin{pmatrix} \alpha_1 & \alpha_1' & \beta_1 & \beta_1' \\ \alpha_2 & \alpha_2' & \beta_2 & \beta_2' \end{pmatrix}$$

equals 2. An estimation of the approximate solution is given (under the assumption that the estimation for the Green's function is known). For the equation $y'' = q(x)y + r(x)$ with the conditions $y(0) = y(1) = 0$ the error estimation can be obtained without a Green's function. The method of oscillating functions is used for the determination of the eigen-values of boundary value problems and for the approximate solution of the Cauchy and the boundary value problem (under some restrictions) for the non-linear differential equation $y'' = f(x,y,y')$. Examples are considered.

[Abstracter's note : Complete translation.]

Card 2/2

SHAKHOVA, L. ..., C in of Phys-Math Sci -- (diss) "Use of Oscillatory
Functions for the Solution of Regional Problems for Common Differential
Equations," Perm', 1953, 15 pp (Perm' State Univ im A. M. Gor'kiy)
(KL, 2-60, 110)

16.3400

S/140/60/000/003/011/011
C111/C222

AUTHOR: Sharkova, N.V.

TITLE: Approximate Solution of Differential Equations With a Lagging
         Argument With the Aid of the Method of Oscillating Functions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960,
              Nr.3, pp. 256-260

TEXT: The problem

$$\frac{d^2y(x)}{dx^2} + p_1(x)\frac{dy(x)}{dx} + p_2(x)y(x) + g_1(x)\frac{dy(x-\tau)}{dx} + g_2(x)y(x-\tau) = f(x)$$

$y(x) = \varphi(x)$ for $-\tau \leq x < 0$, $y(0) = a$, $y'(0) = b$, where $p_1(x)$, $p_2(x)$, $g_1(x)$,
$g_2(x)$, $f(x)$, $\varphi(x)$ is continuously differentiable for $0 \leq x < +\infty$ and $\tau > 0$ is
constant, is always solvable according to (Ref.1).
The approximate solution $y_N(x)$ is constructed with the aid of the functions

$y_{k_N}(x)$, $k=0,1,2,\ldots$:

1) $y_{0_N}(x)$ is an approximate solution of

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Approximate Solution of Differential Equations With a Lagging Argument With the Aid of the Method of Oscillating Functions

$$\frac{d^2 y_0(x)}{dx^2} + p_1(x)\frac{dy_0(x)}{dx} + p_2(x)y_0(x) + g_1(x)\varphi'(x-\tau) + g_2(x)\varphi(x-\tau) = f(x)$$

on $[0,\tau]$ under the conditions $y_0(0) = a$, $y_0'(0) = b$.

2) $y_{k_N}(x)$ $(k=1,2,3,..)$ are approximate solutions of

$$\frac{d^2 y_k(x)}{dx^2} + p_1(x)\frac{dy_k(x)}{dx} + p_2(x)y_k(x) + g_1(x)\frac{dy_{(k-1)_N}(x-\tau)}{dx} +$$

$$+ g_2(x)y_{(k-1)_N}(x-\tau) = f(x)$$

on the $[k\tau, (k+1)\tau]$ $(k=1,2,3,...)$ under the conditions $y_k(k\tau) = y_{(k-1)_N}(k\tau)$,

$y'_k(k\tau) = y_{(k-1)_N}(k\tau)$, where $y_{(k-1)_N}(x)$ is assumed to be found. The approximate solutions $y_{k_N}(x)$ are determined with the method of oscillating

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Approximate Solution of Differential Equations With a Lagging Argument With the Aid of the Method of Oscillating Functions

functions (Ref.2).
3) Now it is put

$$y_N(x) = y_{k_N}(x) \quad (k=0,1,2,\ldots) \text{ for } k\tau < x < (k+1)\tau.$$

The error estimation is given in agreement with (Ref.2). A numbrical example is calculated.
The same method is applied to the problem:

$$y''(x)+p_1(x)y'(x)+p_2(x)y(x)+g_1(x)y'(x-\tau)+g_2(x)y(x-\tau) = f(x)$$

$$y(x) = \varphi(x) \quad \text{for } -\tau \leq x < 0$$

$$U_1(y) = \alpha_1 y(0)+\alpha_1' y'(0)+\beta_1 y(1)+\beta_1' y'(1) = 0$$

$$U_2(y) = \alpha_2 y(0)+\alpha_2' y'(0)+\beta_2 y(1)+\beta_2' y'(1) = 0$$

where $p_1(x)$, $p_2(x)$, $g_1(x)$, $g_2(x)$, $f(x)$ are continuously differentiable functions on $[0,1]$, τ is a constant positive lag, the rank of the matrix
Card 3/4

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C111/C222

Approximate Solution of Differential Equations With a Lagging Argument With
the Aid of the Method of Oscillating Functions

$$\begin{pmatrix} \alpha_1 & \alpha_1' & \beta_1 & \beta_1' \\ \alpha_2 & \alpha_2' & \beta_2 & \beta_2' \end{pmatrix}$$ equals 2 and $\lambda=0$ is no eigenvalue. 16

There are 3 Soviet references.

[Abstracter's note: The method of oscillating functions of (Ref.2) is not
described in the paper. (Ref.2) is a paper of S.I.Mel'nik in Uch.zap.
Molotovsk. un-ta, 1955, Vol.9, No.4, pp.15-24]

ASSOCIATION: Permskiy gosudarstvennyy universitet imeni A.M.Gor'kogo
              (Perm State University imeni A.M.Gor'kiy)

SUBMITTED: September 16, 1958

Card 4/4

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S/140/60/000/005/020/021
C111/C222

16.3400

AUTHOR: Sharkova, N.V.

TITLE: Reduction of a Boundary Value Problem to a Problem With Cauchy
Initial Conditions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960,
No. 5, pp. 195 - 198

TEXT: The author considers

(1) $y'' = p(x)y' + g(x)y + r(x)$

with $y(0) = y(1) = 0$. Let $p(x)$, $g(x)$, $r(x)$ be continuously differentiable
on $[0,1]$; Let $\lambda = 0$ be no eigen value.
Let $y_{1N}(x)$ and $y_{2N}(x)$ be approximate solutions of (1) with the con-
ditions $y(0) = 0$, $y'(0) = b_1$ and $y(0) = 0$, $y'(0) = b_2$, where b_1 and
b_2 are chosen so that

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Reduction of a Boundary Value Problem to a
Problem With Cauchy Initial Conditions

$$y_{1_N}(1) = \varepsilon_1 > 0 \qquad \varepsilon_1 > M_1 h^2 \geqslant |y_1(x) - y_{1_N}(x)|$$

$$y_{2_N}(1) = \varepsilon_2 < 0 \qquad \varepsilon_2 > M_2 h^2 \geqslant |y_2(x) - y_{2_N}(x)|$$

Here $M_1 h^2$ and $M_2 h^2$ are the estimations of the error arising at the
approximative solution with the aid of the method of oscillating functions.
The M_1 and M_2 can be expressed by the norms of the reversion operators of
Volterra equations (cf. (Ref. 1)).

Theorem 1 : Let the curves $y_1(x)$ and $y_2(x)$ be solutions of (1) with the
conditions $y(0) = 0$, $y'(0) = b_1$ and $y(0) = 0$, $y'(0) = b_2$. If they do
not intersect $y_1(x)$ and $y_2(x)$ on $[0,1]$ then $y(x)$ lies between them.

Theorem 2 : If $\lambda = 0$ is no eigenvalue of the given boundary value problem
but an eigenvalue of (1) for the conditions $y(0) = 0$, $y(x_i) = \alpha_i$ for
$x \in [0, x_i]$, where $x_i < 1$ $(i = 0,1,2,\ldots,n)$ then the curves $y_1(x)$ and

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Reduction of a Boundary Value Problem to a   S/140/60/000/005/020/021
Problem With Cauchy Initial Conditions   C111/C222

$y_2(x)$ intersect in all points x_i and only in them.

Theorem 3 : If $\lambda \neq 0$ is no eigenvalue of the given boundary value problem then $y(x)$ lies between $y_1(x)$ and $y_2(x)$ for $x \in [0, 1]$.

According to the theorems, the author recommends one of the curves $y_{1_N}(x)$ or $y_{2_N}(x)$ as an approximate solution. The error is e.g. for $y_{1_N}(x)$:

$$\left| y(x) - y_{1_N}(x) \right| < \max_{0 \leq x \leq 1} \left| y_{1_N}(x) - y_{2_N}(x) \right| + \max(M_1, M_2) \cdot h^2$$

There is 1 Soviet reference.

[Abstracter's note : (Ref. 1) is a paper of S.I. Mel'nik in Uch. zap. Permsk un -ta, 1955, Vol. 9, No. 4, pp. 15 - 24]

ASSOCIATION: Permskiy gosudarstvennyy universitet imeni A.M. Gor'kogo
                (Perm' State University imeni A.M. Gor'kiy)

SUBMITTED: September 26, 1958

Card 3/3

L 45185-66   EWT(d)/T   IJP(c)

ACC NR: AR6027459   SOURCE CODE: UR/0044/66/000/005/B044/B044

AUTHOR: Sharkova, N. V.

ORG: none

TITLE: Approximate solution of differential equations with a deflected argument by a method of oscillating functions

SOURCE: Ref. zh. Matematika, Abs. 5B209

REF SOURCE: Uch. zap. Permsk. un-t, no. 103, 1963, 85-102

TOPIC TAGS: approximate solution, differential equation, function analysis, oscillating function

ABSTRACT: A method of oscillating functions, proposed by S. I. Mel'nik (RZhMat, 1954, 5256; 1957, 5942), is applied to the solution of differential equations with a delayed argument, neutral-type equations, and equations with a leading argument. The results obtained previously by the author (RZhMat, 1961, 10B220), are improved in this study. Summary. [Translation of abstract]   [NT]

SUB CODE: 12/

Card 1/1   UDC: 517.949.2

S/140/63/000/001/004/006
E032/E314

AUTHOR: Sharkova, N.V.

TITLE: Approximate solution of integral-differential equations
           and differential equations with retarded argument by
           the method of oscillating functions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
           Matematika, no. 1, 1963, 158 - 168

TEXT: The method of oscillating functions put forward by
S.I. Mel'nik (DAN SSSR, V.XCV, no. 4, 1954; Uchen. zap. Permsk.
Gosn-ta, v.9, no. 4, 1955) is applied to the approximate solution
of integral differential equations and linear and nonlinear
differential equations with retarded argument (variable retardation).
The integral differential equation considered is

$$y'(x) = \int_0^\infty y(x - s) \, dr \, (x, s) + f(x) \qquad (1)$$

where $f(x)$ is continuous for $0 \leqslant x \leqslant \ell$ and the kernel
$r(x, s)$ is defined for $0 \leq x \leqslant \ell$, $0 \leqslant s \leqslant \infty$. Next, it is
Card 1/6

Approximate solution ....

assumed that for $0 \leqslant s \leqslant \ell$ there exist continuous functions σ $(s \leqslant 0)$, $V(x \geqslant 0)$ and $M(x)$, which are such that $r(x, 0) \equiv 0$, $\overset{\sigma(x)}{\underset{s=0}{V}} r(x, s) \leqslant V(s)$, $\overset{\infty}{V} r(x, s) = M(x)r(x, s) \equiv r(x, \sigma(x))$ when

$\sigma(x) < s < +\infty$ and $r(x, s)$ is such that for any $x \in [0, \ell]$

$$\lim_{\substack{t \to x \\ 0 \leqslant t \leqslant \ell}} \int_{0}^{\sigma(x)+1} \left| r(t, s) - r(x, s) \right| ds = 0 \quad .$$

It is further supposed that $y(0) = \varphi(0)$, $y(x - s) = \varphi(x - s)$, when $x - s < 0$, where $\varphi(x)$ is continuous for $-\infty < x \leq 0$ and $|\varphi(x) \leqslant K$, $|\varphi(0)| < K$. The approximate solution of Eq.(1) is sought in the form

Card 2/6

Approximate solution ....

$$y_{N_k}(x) = a_k(x - x_k) + b_k \, ,$$

$$x_k \leqslant x < x_{k+1} \ (k = 0, 1, 2, \ldots, N - 1), \quad \max \left| x_{k+1} - x_k \right| = h \, ,$$

$$0 = x_o < x_1 < \cdots < x_N = \ell \, .$$

The coefficient a_k are then determined by the oscillating-function method and the accuracy of the approximation is estimated. Next, an equation of the form

$$y''(x) = p_1(x)y'(x) + p_2(x)y(x) + g_1(x)y'(x - \triangle(x)) +$$

$$+ g_2(x)y(x - \triangle(x)) + f(x) \tag{9}$$

is considered subject to the conditions

$$y(0) = \varphi(0) = a, \quad y'(0) = b, \quad y(x - \triangle(x)) \equiv \varphi(x - \triangle(x))$$

Card 3/6

Approximate solution ....

when $x - \triangle(x) < 0$, where $p_1(x)$, $p_2(x)$, $g_1(x)$, $g_2(x)$ and $f(x)$ are differentiable in $0 \leqslant x \leqslant \ell$, $\varphi(x)$ is continuously differenti-able in $-\infty < x \leqslant 0$ and $\triangle(x) \geqslant 0$ is continuous in $0 \leqslant x \leqslant \ell$. The approximate solution of this problem is sought in the form

$$y_{N_k}(x) = \frac{a_k}{2}(x - x_k)^2 + b_k(x - x_k) + c_k ,$$

$$x_k < x < x_{k+1} \ (k = 0, 1, 2, \ldots, N - 1), \quad \max |x_{k+1} - x_k| = h$$
$$0 = x_0 < x_1 < \cdots < x_N = \ell .$$

Again, the coefficients are evaluated by the oscillating-function method and the errors involved are estimated. Finally, the same methods are used to solve the equation

$$y'' = f(x, y)(x), \ y'(x), \ y(x - \triangle(x)), \ y'(x - \triangle(x))) \quad (15)$$

Card 4/6

Approximate solution ....

subject to the conditions $y(0) = \varphi(0) = a$, $y'(0) = b$, $y(x - \triangle (x)) \equiv \varphi(x - \triangle (x))$, when $x - \triangle(x) > 0$, where f is continuous with respect to all its arguments in $0 \leqslant x \leqslant \ell$, $-\infty < y$, $y' < +\infty$ and satisfy the Lipschitz condition for all its arguments beginning with the second, $\varphi(x)$ is an initial function which is continuously differentiable in $-\infty < x \leqslant \leqslant 0$ and $\triangle (x) \geqslant 0$ is continuous in $0 \leqslant x \leqslant \ell$. Eq. (15) is equivalent to (subject to the given initial conditions) the following system of second-order equations

$$y'(x) = z(x),$$
$$z'(x) = f(x, y(x), z(x), y(x - \triangle(x)), z(x - \triangle(x))) \quad (16)$$

subject to the conditions $y(0) = a$, $z(0) = b$, $y(x - \triangle(x)) \equiv \equiv \varphi(x - \triangle(x))$ when $x - \triangle(x) < 0$. The approximate solution of Eq. (16) is then seen to be in the form

$$y_{N_k}(x) = a_k(x - x_k) + b_k, \quad z_{N_k}(x) = A_k(x - x_k) + B_k, \text{ where}$$

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Approximate aolution ....

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E032/E314

$$x_k \leqslant x \leqslant x_{k+1} \quad (k = 0, 1, 2, \ldots, N-1), \quad \max \left| x_{k+1} - x_k \right| = h,$$

$$0 = x_0 < x_1 < \ldots < x_N = \ell$$

and the accuracy of the approximation is estimated.

ASSOCIATION: Permskiy gosudarstvennyy universitet im.
                     A.M. Gor'kogo (Perm State University im.
                     A.M. Gor'kiy)

SUBMITTED: December 30, 1959

Card 6/6

L 11113-63   EWT(d)/FCC(w)/BDS--AFFTC--Pg-4--IJP(C)
ACCESSION NR: AP3000958   S/0140/63/000/003/0173/0184

                                                          55
AUTHOR: Sharkova, N. V. (Perm')

                                             16

TITLE: The approximate solution of differential equations with a deviating ar-
gument

SOURCE: IVUZ. Matematika, no. 3, 1963, 173-184

TOPIC TAGS: differential equation, deviating argument, approximate solution,
oscillatory function method

ABSTRACT: The method of oscillatory functions proposed by S. I. Mel'nik
for the solution of differential and integral equations is applied to the approx-
imate solution of second-order differential equations with a deviating argu-
ment. The following four cases are investigated: a) linear equations of the
neutral type; b) nonlinear equations of the neutral type; c) linear equations
with a leading argument; and d) nonlinear equations with a leading argument.
The approximate solutions of types (a), (c), and (d) are sought in the form

$$Y_{N_k}(x) = \frac{a_k}{2}(x - x_k)^2 + b_k(x - x_k) + c_k, \qquad (1)$$

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ACCESSION NR: AP3000958   D

where $x_k \leqslant x \leqslant x_{k+1}$ and $\max(x_{k+1} - x_k) = h$. Constants c_k, b_k, ($k = 1$, 2, ..., $N - 1$) are determined from the conditions of continuity of the approximate solution and of its first derivative at the junction points of two parabolas; constants a_k are determined from the oscillatory function. In case (b) a system equivalent to two first-order differential equations is derived, and the approximate solution is sought in the form

$$Y_{N_k}(x) = a_k(x - x_k) + b_k$$

$$Z_{N_k}(x) = A_k(x - x_k) + B_k. \tag{2}$$

The method of determining the constants a_k, b_k, A_k, and B_k is presented. An estimate of the error of the approximation is derived: In case (a) it is proportional to h^3; in case (b), to h^2; and in the last two cases, to h. Orig. art. has: 19 equations.

ASSOCIATION: none

SUBMITTED: 03Jun60   DATE ACQ: 12Jun63   ENCL: 00

SUB CODE: MM   NO REF SOV: 004   OTHER: 000
Card 2/2 ch/wm

SHARKOVA, T.T.

Some new species of the Silurian and Devonian Tabulata of
southeastern Kazakhstan.   Paleont. zhur. no. 1:20-25 '64.
(MIRA 17:7)

1. Vsesoyuznyy aerogeologicheskiy trest.

SHARKOVA, T.T.

New genus Axuolites (Favostida) from the Upper Silurian in
Kazakhstan. Paleot. zhur. no.3:117-119 '63.   (MIRA 16:10)

1. Vsesoyuznyy aerogeologicheskiy trest.

KRUT', I.V.; YAKOVLEV, L.I.; KROPACHEV, S.M.; LYASHENKO, A.I.;
        SHARKOVA, T.T.

        Stratigraphic position and structure of the Karashay series
        in the Northern Caucasus. Izv. AN SSSR. Ser. geol. 28 no.10:
        49-59   O '63.   (MIRA 16:11)

        1. TSentral'nyy nauchno-issledovatel'skiy geologorazvedochnyy
        institut, Moskva.

SHARKOVA, V.M.

Use of the shaft-type electric furnace instead of the chamber-type furnace for heat treating diesel piston rings. Prom. energ. 11 no.10: 26 O '56.   (MIRA 9:11)

(Electric furnaces) (Piston rings)

SHARKOVA, V. V.

ADADEMIYA NAUK SSSR. LABORATORIYA AEROMETODOV. PRIMENENIYE AEROMETODOV
DLYA GEOLOGICHESKIKH ISSLEDOVANIY MORSKOGO DNA; KRATKOYE METODICHESKOYE RUKO-
VODSTVO (USE OF AERO-METHODS FOR UNDERWATER GEOLOGICAL SURVEYS) POD RED. V. V.
SHARKOVA I D. M. KUDRITSKOGO. LENINGRAD, GOSTOPTEKHIZDAT, 1956. 254, (2) p.
ILLUS., DIAGRS., TABLES. "LITERATURA": p. 252-(255)

SHARKOVA, V.Ye.

Calcium arsenite is toxic to the shield bug Eurygaster integriceps.
Zashch.rast.ot vred.i bol. 4 no.6:37-38 N-D '59.   (MIRA 15:11)

1. Nachal'nik proizvodstvennogo uchastka Rostovskogo otryada po
bor'be s vreditelyami i boleznyami rasteniy.
  (Rostov Province--Eurygasters--Extermination) (Calcium arsenites)

SHARKOVA, V.Ye.

They reduced the costs. Zashch.rast.ot vred.i bol. 5 no.3:6-7
Mr '60.   (MIRA 16:1)

1. Nachal'nik proizvodstvennogo uchastka Rostovskogo otryada
po bor'be s vreditelyami i boleznyami rasteniy.
      (Rostov Province—Eurygasters—Extermination)

ARKHANGEL'SKIY, N.N.; SHTEYNBERG, G.G., nauchnyy sotrudnik; SHARKOVA, V.Ye.

Poisoned objects providing cover as a method for controlling
injurious insects. Zashch. rast. ot vred. i bol. 5 no.9:27-32
S '60.   (MIRA 15:6)

1. Chlen-korrespondent Vsesoyuznyy akademii sel'skokhozyaystvennykh
nauk imeni V.I. Lenina (for Arkhangel'skiy). 2. Nachal'nik
uchastka Rostovskogo otdela bor'by s vreditelyami sel'skogo
khozyaystva (for Sharkova).
                      (Insecticides)

SHARKOVA, V. Ye.

Socialist obligations are being fulfilled. Zashch. rast. ot
vred. i bol. 5 no.10:4-6 0 '60.   (MIRA 16:1)

1. Nachal'nik proizvodstvennogo uchastka Rostovskogo oblastnogo
otryada po bor'be s vreditelyami i boleznyami rasteniy.

(Roston Province—Plants, Protection of)

SHARKOVA, V.Ye.

One of the best. Zas: h. rast. ot vred. i bol. 6 no.8:42-43
Ag '61.   (MIRA 15:12)

1. Obshchestvennyy korrespondent zhurnala "Zashchita rasteniy".
                    (Plants; Protection of)

SHARKOVA, V.Ye.

Each experimental demonstration farm should be provided with
an agronomist for plant protection. Zashch. rast. ot vred. i
bol. 6 no.11:7-8 N '61.   (MIRA 16:4)

1. Nachal'nik otdela zashchity rasteniy Rostovskogo oblastnogo
upravleniya sel'skogo khozyaystva.
                    (Rostov Province—Plants, Protection of)

YAREMENKO, N.Ye.; SHARKOVA, V.Ye.

Protecting grain with arsenic preparations. Zashch. rast. ot
vred. i bol. 7 no.12:21-23 D '62.   (MIRA 16:7)

1. Glavnyy agronom Rostovskogo otryada po bor'be s vreditelyami
i boleznyami rasteniy (for Yaremenko). 2. Starshiy agronom
Rostovskogo otryada po bor'be s vreditelyami i boleznyami
rasteniy (for Sharkova).
              (Rostov Province—Rodent control)   (Arsenic)

SHARKOVA, V.Ye.

On the "TSelinskii" State Farm. Zashch. rast. ot vred. i bol.
9 no.8:9-10 '64.   (MIRA 17:12)

1. Starshiy agronom Rostovskoy stantsii zashchity rasteniy.

SHAROVA, A. I., MIRIK, A. I., ROGOVIN, Z.A.; Prinimala uchastiye:
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    Polymer-analog conversions of a graft copolymer of cellulose
    and p-glycidyl methacrylate. Vysokom.soed. 6 no. 5:751-755
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    1. Moskovskiy tekstil'nyy institut.

L 1354-66   EPF(c)/EWT(m)/ETC/EWG(m)/T/EWP(j)   RPL   DS/WW/RM

ACCESSION NR: AP5024397

UR/0286/65/000/015/0080/0080
678.542
678.744.322—13

AUTHOR: Rogovin, Z. A.; Virnik, A. D.; Sharkova, Ye. F.

TITLE: A method for producing a graft copolymer. Class 39, No. 173404

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 80

TOPIC TAGS: graft copolymer, cellulose plastic, acrylic plastic, methacrylate plastic, ion exchange resin, radical polymerization

ABSTRACT: This Author's Certificate introduces: 1. A method for producing a graft copolymer by radical graft copolymerization of cellulose and an ester of acrylic or methacrylic acid. A wider selection of monomers which can be grafted to cellulose is provided by using glycidylacrylate or glycidylmethacrylate. 2. A modification of this method in which an ion-exchange copolymer is produced by treating the finished graft copolymer in compounds which react with its α-oxide cycles, e. g. aqueous solutions of primary or secondary amines, sulfite or bisulfite of sodium.

ASSOCIATION: none

ENCL: 00
OTHER: 000

SUB CODE: MT, GC

SUBMITTED: 17Jun63
NO REF SOV: 000

Card 1/1

BALABAYEVA, M.D.; SHARKOVA, Ye.F.; ZHBANKOV, R.G.; VIRNIK, A.D.; ROGOVIN, Z.A.

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products of cellulose which containing a double bond, and the polymer analog [illegible] Vses. nauch. nauk. khim. [illegible], Sekt. 3 [illegible] 468 '62.   (MIRA 18:10)

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1. Iz Instituta onkologii AMN SSSR (dir. - prof. A.I.Serebrov).
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